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U.S. Patent Application No. 10/689,268

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AMENDMENTS TO THE CLAIMS

1. (Original) An inkjet ink composition comprising a) a liquid vehicle and b) a modified azo pigment, wherein the modified azo pigment is the reaction product of at least one first diazonium reagent, at least one second diazonium reagent, and at least one azo coupler, wherein the inkjet ink composition does not include a separate dispersant which primarily functions to obtain or maintain stability of the modified azo pigment or the inkjet ink composition.

2. (Original) The inkjet ink composition of claim 1, wherein the first diazonium reagent or the second diazonium reagent comprises at least one ionic group, at least one ionizable group, or a mixture of at least one ionic group and at least one ionizable group.

3. (Original) The inkjet ink composition of claim 1, wherein the first diazonium reagent or the second diazonium reagent comprises at least one sulfonic acid group or salt thereof, at least one carboxylic acid group or salt thereof, at least one amine group, or at least one ammonium group.

4. (Original) The inkjet ink composition of claim 1, wherein the first diazonium reagent or the second diazonium reagent comprises at least one $-\text{COO}^-$, $-\text{SO}_3^-$, $-\text{OSO}_3^-$, $-\text{HPO}_3^-$, $-\text{OPO}_3^{2-}$, or $-\text{PO}_3^{2-}$ group.

5. (Previously presented) The inkjet ink composition of claim 1, wherein the first diazonium reagent or the second diazonium reagent comprises at least one benzylamine group, phenethylamine group, phenyleneamine group, or aminoalkyl amine group.

6. (Original) The inkjet ink composition of claim 1, wherein the first diazonium reagent or the second diazonium reagent comprises at least one alkylene oxide group.

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7. (Original) The inkjet ink composition of claim 1, wherein the first diazonium reagent or the second diazonium reagent comprises an aromatic group.

8. (Original) The inkjet ink composition of claim 1, wherein the azo coupler comprises an acetoacetamide group.

9. (Original) The inkjet ink composition of claim 1, wherein the azo coupler comprises a 2-hydroxynaphthalene-3-carboxamide group.

10. (Original) The inkjet ink composition of claim 1, wherein the liquid vehicle is an aqueous vehicle.

11. (Original) The inkjet ink composition of claim 10, wherein the aqueous vehicle is water.

12. (Currently amended) An inkjet ink composition comprising a) a liquid vehicle and b) a modified azo pigment, wherein the modified colored pigment is the reaction product of at least one diazonium reagent, at least one first azo coupler, and at least one second azo coupler, wherein the inkjet ink composition does not include a separate dispersant which primarily functions to obtain or maintain stability of the modified azo pigment or the ink jet ink composition.

13. (Original) The inkjet ink composition of claim 12, wherein the first azo coupler or the second azo coupler comprises at least one ionic group, at least one ionizable group, or a mixture of at least one ionic group and at least one ionizable group.

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14. (Original) The inkjet ink composition of claim 12, wherein the first azo coupler or the second azo coupler comprises at least one sulfonic acid group or salt thereof, at least one carboxylic acid group or salt thereof, at least one amine group, or at least one ammonium group.

15. (Original) The inkjet ink composition of claim 12, wherein the first azo coupler or the second azo coupler comprises at least one -COO^- , -SO_3^- , -OSO_3^- , -HPO_3^- , -OPO_3^{2-} , and -PO_3^{2-} group.

16. (Previously presented) The inkjet ink composition of claim 12, wherein the first azo coupler or the second azo coupler comprises at least one benzylamine group, phenethylamine group, phenylethylamine group, or aminoalkyl amine group.

17. (Original) The inkjet ink composition of claim 12, wherein the first azo coupler or the second azo coupler comprises at least one alkylene oxide group.

18. (Previously presented) The inkjet ink composition of claim 12, wherein the first azo coupler or the second azo coupler comprises an acetoacetamide group.

19. (Original) The inkjet ink composition of claim 12, wherein the first azo coupler or the second azo coupler comprises a 2-hydroxynaphthalene-3-carboxamide group.

20. (Original) The inkjet ink composition of claim 12, wherein the diazonium reagent comprises an aromatic group.

21. (Original) The inkjet ink composition of claim 12, wherein the liquid vehicle is an aqueous vehicle.

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22. (Original) The inkjet ink composition of claim 21, wherein the aqueous vehicle is water.

23-38. (Cancelled)

39. (New) An inkjet ink composition comprising a) a liquid vehicle and b) a modified azo pigment, wherein the modified azo pigment is the reaction product of at least one first diazonium reagent, at least one second diazonium reagent, and at least one azo coupler, and wherein the modified azo pigment forms a stable dispersion in the liquid vehicle without a separate dispersant.

40. (New) An inkjet ink composition comprising a) a liquid vehicle and b) a modified azo pigment, wherein the modified colored pigment is the reaction product at least one diazonium reagent, at least one first azo coupler, and at least one second azo coupler, and wherein the modified azo pigment forms a stable dispersion in the liquid vehicle without a separate dispersant.